

Automotive ABS/EPB Wheel Speed, Chassis Angle Load & Gas Sensors

MSSS03N91 Active Wheel Speed Sensor, MSH105-001 Angle Load Sensor & SMD1003/1012 EV Gas Sensors

Product Overview

Misensor manufactures active Hall/AMR Wheel Speed Sensors (MSSS03N91) for ABS, ESC, and EPB braking systems; non-contact Angle Load Sensors (MSH105-001) for commercial vehicle air-suspension load weighing; and EV Battery Thermal Runaway Gas Sensors (CO / H2 / CO2).

Key Features

- MSSS03N91 Wheel Speed: Active 2-wire current pulse...
- MSH105-001 Angle Load: ±60° suspension linkage ang...
- SMD1003 (CO), SMD1012 (H2) & MMD801 (NDIR CO2) gas...
- Automotive grade EMC protection, IP67/IP69K overmo...

Typical Applications

- Passenger & commercial vehicle ABS, ASR, ESC & EPB...
- Truck air suspension axle load & headlight levelin...
- EV battery pack thermal runaway gas (H2 / CO / CO2...

Technical Specifications & Model Selection

Model	Product Name	Supply Voltage	Output Signal	Measuring Range	Operating Temp	Protection
MSSS03N91	ABS / EPB Wheel Sp..	4.5V - 20V DC	2-Wire Current (7m..	1 Hz - 2500 Hz (0...	-40°C to +150°C	IP68 / IP69K
MSH105-001	Angle Load Sensor	5.0V DC (or 9-36V)	0.5-4.5V DC	-60° to +60° (±1% ..	-40°C to +125°C	IP67
SMD1003	MEMS CO Gas Sensor	5.0V DC	UART / I2C / 0.4-2..	0 - 1000 ppm CO	-40°C to +85°C	IP65 Module
SMD1012	Thermal Conductivi..	5.0V / 9-16V DC	CAN / LIN / UART	0 - 40,000 ppm (0-..	-40°C to +85°C	IP65 Module
MMD801	NDIR Infrared CO2 ..	5.0V DC	UART / I2C / PWM	400 - 5000 ppm CO2	-20°C to +70°C	Compact NDIR